

# Snap Enterprise Data Replicator

## Enterprise-Class Remote Data Protection for Disaster Recovery and Data Management

The trend toward distributed enterprises, whether they are branch offices, remote development centers, or offshore entities, has led to a marked increase in the distribution of mission-critical data across the enterprise. Even though many corporations treat their remote offices as independent revenue centers, their central IT departments invest the lion's share of their time and resources on core data and overlook the distribution, synchronization, and protection of their remote office data. Little time or money remains to invest in robust solutions for distributed data. Adaptec Snap Enterprise Data Replicator (Snap EDR), coupled with high-performance Snap Servers, provides distributed enterprises with the robust data protection solution that they need to manage and protect distributed data.

A powerful, high-performance data replication and availability solution featuring the industry's most comprehensive set of data management and security capabilities, Snap EDR allows organizations to efficiently and cost-effectively replicate and manage data heterogeneously between GuardianOS™ Snap Servers™ and Windows®, Linux™, and UNIX® servers across a distributed network. Not just a point solution, the Snap EDR management framework forms the basis for remote data control and movement solutions throughout the enterprise.

Snap EDR allows users to easily control the movement of files between servers; from many remote offices to a central server; and to automatically distribute data from a central server to remote office servers. Flexible job scheduling for data movement ensures that distributed data can be protected as needed by the central office, providing a remote office data management solution for distributed application data.

### Robust Security for Distributed Enterprises

Unlike other software packages that require 'bolt-on' or third-party security software, strong security is built into Snap EDR. This integration makes administration and integrity much simpler and more effective. Snap EDR ensures the connection is accurate through the use of digital signatures that are used to authenticate the replication agents. Sensitive data can be protected through user selectable levels of in-stream encryption, or it can be turned off for use along internal networks. This strong security capability saves money for companies by allowing them to use inexpensive Internet network connections to transmit sensitive data instead of expensive private networks, both internally and to partners and customers.

### Powerful, Centralized Control

Snap EDR's intuitive installation and browser based graphical interface provides step-by-step data management and job monitoring and control. The centralized control console can be accessed from anywhere on the network for global access, while email notifications can be set on a per job basis to increase the granularity of event monitoring. All this provides the extra flexibility administrators want for data management.

### Key Features

- Heterogeneous data replication between GuardianOS, Windows, Linux, and UNIX Servers
- Ensures reliable delivery with robust data integrity, security, and network usage optimization features
- Provides the flexibility to synchronize, distribute, or aggregate data among multiple servers
- Scales to enable data movement among thousands of replication agents

## Snap Enterprise Data Replicator

	Feature	How Does it Work	Benefit
<b>Powerful, Centralized Control</b>	Central Policy Management	Centralized management console provides monitoring, notification, allows for rules-based distribution/consolidation	Significantly increases control while lowering administrative cost of managing remote data replication
	Flexible Scheduling	Replication is scheduled by day, time, with up-to-the-minute scheduling	Maximum flexibility for increased data protection
	Ease of Use	Intuitive installation and graphical interface provides step-by-step job configuration and management	Allows users to quickly move from learning to managing data
	Scalable	Easily scales from one-to-one replication or one-to-one thousand data distribution	Solution grows with your enterprise
	Multiple Platform Support	Protects heterogeneous servers (Snap Server, Windows, UNIX, Linux)	Eliminates the need for separate solutions to address multi-platform data protection needs
<b>Intelligent Data Movement</b>	Decentralized Data Movement	Agents initiate the processes required to extract, pre-process, compress, encrypt, send, or receive data through authenticated links to Agents on other nodes.	Provides the intelligence and flexibility to keep pace with a dynamic operating environment by decentralizing the data movement
	Replicate	One source server replicates and synchronizes data to one target server	Facilitates disaster recovery implementations
	Distribute	One source server replicates and synchronizes data to multiple target servers simultaneously	Enables content distribution and data multicasting
	Aggregate	Multiple source servers replicate data to a single server	Used for data consolidation, especially in backup and recovery scenarios
<b>Network Optimized</b>	Variable Bandwidth Throttling	Network-aware bandwidth throttling is set using the actual speed of your network. Handles high latency networks.	Full control of limited network bandwidth avoids performance impact
	Data Compression	Compress data to improve network performance	Compression minimizes network traffic and reduces data transfer times
	Byte-level Incremental	Replicate only changed bytes files to minimize network traffic (move less data)	Further reduces network traffic required to move data, keeping the network highly available.
<b>Robust Security</b>	Tiered Security	Combines data encryption with certificate authentication for data transfer	Ensures high security for transmitting sensitive data over public networks
	Certificate Authentication	Strong authentication between hosts utilizing digital certificates	Guarantees data is only sent to authorized parties
	Certified Delivery	Digital signature computed on each file	Provides absolute proof of delivery with a full audit trail
	Data Encryption	User selectable encryption up to 128-bit encryption. Or turn off encryption for improved performance over a LAN.	Choose the level of security that's right for the data being transmitted

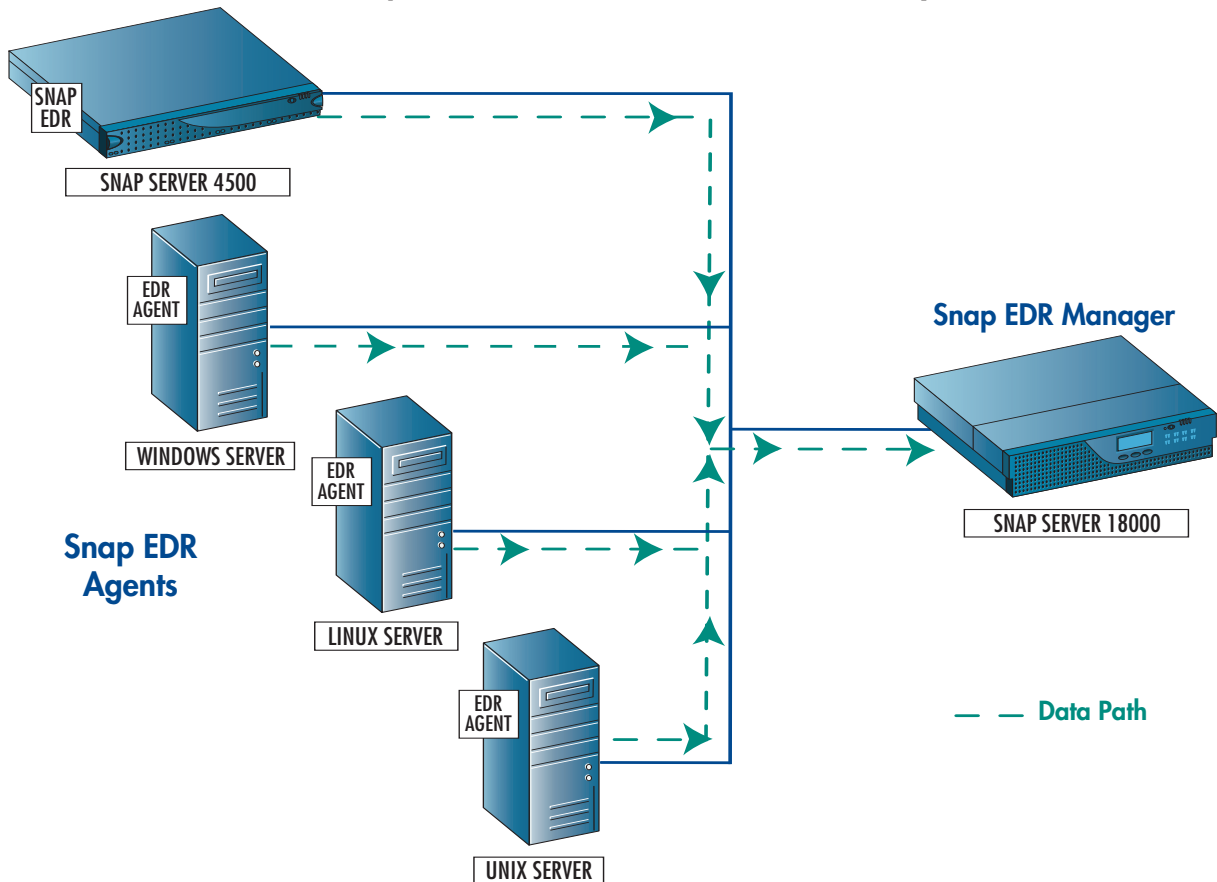
# Snap Enterprise Data Replicator

## Specifications

<p><b>Required Components</b></p> <ul style="list-style-type: none"> <li>• At least one source server and one or more target servers (Snap Servers<sup>1</sup> or Application Servers)</li> <li>• Two or more licensed copies of Snap EDR software (each Snap EDR agent requires a unique license)<sup>2</sup></li> <li>• Standard IP network access with one of the following web browsers:</li> <li>• Internet explorer 5.5 or greater</li> <li>• Netscape Navigator 6.1 or greater</li> </ul> <p><b>Snap Server Models Supported</b></p> <p>Requires GuardianOS 3.1 or higher</p> <ul style="list-style-type: none"> <li>• Snap Server 18000</li> <li>• Snap Server 15000</li> <li>• Snap Server 14000</li> <li>• Snap Server 4500</li> <li>• Snap Server 4400</li> <li>• Snap Server 4200</li> </ul>	<p><b>Application Server Operating System Support</b></p> <p>AIX 4.3, 5.1, 5.2</p> <p>Solaris 5.7, 5.8</p> <p>HP-UX 11.x, 11i</p> <p>Fedora Linux, RedHat Linux 7.2, 7.3, Enterprise Linux 2.1 or 3.0, or SUSE Linux 8.2 and 9.0</p> <p>Windows 2000 (with SP2 or higher), Windows 2003, Windows Server Appliance Kit (SAK) 2.01, or Windows XP</p> <p>GuardianOS v3.1 or higher</p>	<p><b>Management Console Operating System Support</b></p> <p>GuardianOS v3.1 or higher running on supported Snap Servers</p> <p><b>System Memory</b></p> <p>128MB or more</p> <p><b>Disk Space</b></p> <p>Installation Directory: 100MB</p> <p><b>Network Connection</b></p> <p>100MB/s Ethernet or faster</p>
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<sup>1</sup> Snap EDR not supported on Chinese/Japanese Snap Servers.  
<sup>2</sup> Snap EDR is not compatible with any version of Snap S2S

## Snap EDR for Centralized Disaster Recovery



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